DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, DC 20350

W/CH-1

IN REPLY REFER TO
OPNAVINST 8550.12D
OP-374F
MAR 31 1983

OPNAV INSTRUCTION 8550.12D

From: Chief of Naval Operations

Subj: Mine and destructor assembly configurations; definitions and use

1. Purpose. This instruction defines assembly configurations applicable to mines and destructors.

2. Cancellation. OPNAVINST C8550.12C.

3. Background. U.S. Navy sea mines and destructors are stowed in various configurations because fully assembled, ready-to-plant weapons have a reduced shelf life in unrefrigerated stowage. This instruction defines the various acceptable authorized assembly configurations.

4. Mine Assembly Configurations. U.S. Navy underwater mines shall be stored in one of the following assembly configurations. Precise descriptions of the configurations for specific Mark/Mod Mines are found in the NAVSEA assembly manuals for those mines. In order for a mine to be reported as Ready For Issue (RFI) in configurations B thru F, all material required to upgrade the mine to configuration A must be on hand. The definition of each mine assembly configuration is as follows:

a. Assembly Configuration A. A completely assembled, operationally tested mine ready for immediate delivery to planting agent.

b. Assembly Configuration B. A partially assembled, operationally tested mine with all internal components installed, but with selected external components such as preassembled flight gear or launching accessories removed.

c. Assembly Configuration C. A partially assembled, operationally tested mine from which certain tested internal and external components have been removed. Batteries have been thawed and installed. Tested explosive initiators have been installed in tested extenders/arming devices and flight gear has been preassembled. (R

d. Assembly Configuration D. A partially assembled mine in which the firing assembly has been operationally and functionally tested from which a selection of internal and external

components has been removed. Generally, the selection includes all items stowed separately for configuration C, plus any whose longevity is markedly enhanced by special packaging or storage environment. All items have been tested except batteries.

e. Assembly Configuration E. A partially assembled mine for which the basic firing assembly has been operationally tested; whereupon, the assembled instrument rack is packaged and stowed separately from the explosive mine case, in addition to items that are remotely stowed for the mine in configuration D.

f. Assembly Configuration F. A complete, disassembled mine with tested assembly level items shelf stowed. Configuration F is not authorized as a storage configuration for war-ready or war-reserve mine stocks.

R) 5. Destructor Assembly Configuration. U.S. Navy underwater destructors and destructor modification kits shall be stored in one of the following assembly configurations. In order for a destructor to be reported in configuration F, all material required to upgrade to configuration A must be on hand. The definition of each destructor assembly configuration is as follows.

a. Assembly Configuration A. A completely assembled operationally tested destructor ready for immediate delivery to a planting agent.

b. Assembly Configuration F. A complete destructor assembly with shelf stowed assembly level items. The destructor modification kit MK 75 is stowed in Configuration F, only.

6. Authorized Assembly Configurations. Underwater mine and destructor authorized assembly configurations are summarized in Table 1 below.

TABLE 1. SUMMARY OF UNDERWATER MINE AND DESTRUCTOR AUTHORIZED ASSEMBLY CONFIGURATIONS

WEAPON	CONFIGURATION A	B	C	D	E	F
Mine Mk 25	X	X	X	X	N/A	X*
Mine Mk 52	X	X	X	X	X	X*
Mine Mk 55	X	X	X	X	X	X*
Mine Mk 56	X	X	X	X	X	X*
Mine Mk 57	X	X	X	X	X	X*
Mine Mk 60	X	N/A	N/A	N/A	N/A	X**
Mine Mk 67	X	N/A	X	X	N/A	N/A
Destructor Mk 36	X	N/A	N/A	N/A	N/A	X
Destructor Mk 40	X	N/A	N/A	N/A	N/A	X
Destructor Mk 41	X	N/A	N/A	N/A	N/A	X
Destructor Mod Kit Mk 75	N/A	N/A	N/A	N/A	N/A	X
Quickstrike Mk 62	X	N/A	N/A	N/A	N/A	X
Quickstrike Mk 63	X	N/A	N/A	N/A	N/A	X
Quickstrike Mk 64	X	N/A	N/A	N/A	N/A	X
Quickstrike Mk 65	X	N/A	N/A	N/A	N/A	X
Quickstrike Mod Kit Mk 130	N/A	N/A	N/A	N/A	N/A	X

generally stored at stock-issue points.

**This configuration for Mine Mk 60 only applys to maintenance turnaround and backup mines stored at Intermediate Maintenance Activities (IMA).

7. Action

a. Because of perishable component parts, particularly the mine batteries which are normally maintained under refrigeration to prolong shelf life, automatic upgrading of mines during readiness escalation should not be accomplished. Upgrading of specific mines for specific missions should be directed by the CINCS or higher authority only when required. This action is necessary to reduce the detrimental impact that automatic upgrading of the prepositioned mine stockpile will have on the available battery inventory.

b. Operational commanders shall employ the assembly configurations defined herein to establish operational requirements for assembled mines, and to identify and report the status of assembled mine populations. In all cases, the assembly configuration selected should be the lowest degree of assembly (i.e., the least assembled configuration) with which readiness requirements can be met. Employment of more than one assembly configuration within a given Mark or MOD mine is authorized.

c. Mine assembly and maintenance activities shall maintain mines in the assembly configuration directed by operational commanders. The appropriate assembly configuration shall be used to report the assembly status of mines. Inability to support directed assembly configurations and/or assembly production requirements to meet contingencies shall be reported to affected commands.

R. L. WALTERS
Deputy Chief of Naval Operations
(Surface Warfare)

Distribution (2 copies each unless otherwise indicated):

SNDL	A4A	(Chief of Naval Material)
	21A	(Fleet Commanders in Chief)
	24E	(Mine Warfare Command)
	FKA1	(Systems Command Headquarters) (NAVSUPSYSCOMHQ, NAVAIRSYSCOMHQ, NAVSEASYSCOMHQ, only)
	FKP1F	(Mine Engineering Facility)
	FT1	(Chief of Naval Education and Training)
	FT51	(Fleet Mine Warfare Training Center)

Copy to:

SNDL	B2A	(Special Agencies, Staffs, Boards, and Committees) (JCS, only)
	22	(Fleet Commanders)
	23B	(Special Force Commanders)
	24A	(Naval Air Force Commanders)
	24D	(Surface Force Commanders)
	24F	(Logistics Commands)
	24G	(Submarine Force Commanders)
	24H	(Fleet Training Commands)
	26A	(Amphibious Group)
	26FF	(Mine Warfare Inspection Group)
	26SS	(Mobile Mine Assembly Groups and Detachments/Unit)
	28G	(Mine Squadron and Divisions)
	30	(Mine Warfare Ships)
	42A	(Fleet Air Commands)
	42B	(Functional Wing Commanders)
	42J1	(Carrier Air Wing LANT (CVW))
	[redacted]	
	42K	(Attack Squadron (VA))

Copy to (continued):

SNDL	42N	(Anti-submarine Wing and Squadron)
	42P	(Patrol Wing and Squadron (VP))
	42W	(Helicopter Mine Countermeasures Squadron)
	50A	(Unified Commands) (USCINCEUR, CINCPAC, CINCLANT, only)
	C37A2C	(Naval Surface Weapons Center Detachments) (Silver Spring, MD only)
	FA6	(Air Station LANT) (Norfolk, Va; Jacksonville, FL; Brunswick, ME; Oceana, Norfolk, VA; Cecil Field, FL, only)
	FB31	(Magazine)
	FB34	(Fleet Activities) (NAF, Kadena only)
	FB6	(Air Facility PAC) (Misawa, JA; Atsugi, JA; only)
	FB7	(Air Station PAC) (less Alameda and Fallow)
	FC14	(Air Station NAVEUR)
	FKP1B	(Weapons Station) (Charleston, SC; Yorktown, VA, only)

Ops 01, 10, 008, 09, 09B, 09D, 02, 03, 04, 05, 06, 22, 29 32, 37, 374, 35, 39, 401, 411, 412, 43, 44, 49, 50, 506, 55, 59, 90, 92, 095, 954, and 981

Stocked:
CO, NAVPUBFORMCEN
5801 Tabor Ave.
Phila., PA 19120 (100)